

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:47:21 ; Search time 210.42 Seconds  
(without alignments)  
6.500 Million cell updates/sec

Title: US-09-331-631A-8\_COPY\_80\_119  
Perfect score: 225  
Sequence: 1 PEDPQRREYECQCEKQOEKQPPQCCQRCIKRFEQEQQ 40

Scoring table:  
BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 268485 segs, 34193795 residues

Total number of hits satisfying chosen parameters: 268485

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :  
1: /SIDSL/gcgdata/geneseq/geneseqp/AA1980.DAT.\*  
2: /SIDSL/gcgdata/geneseq/geneseqp/AA1981.DAT.\*  
3: /SIDSL/gcgdata/geneseq/geneseqp/AA1982.DAT.\*  
4: /SIDSL/gcgdata/geneseq/geneseqp/AA1983.DAT.\*  
5: /SIDSL/gcgdata/geneseq/geneseqp/AA1984.DAT.\*  
6: /SIDSL/gcgdata/geneseq/geneseqp/AA1985.DAT.\*  
7: /SIDSL/gcgdata/geneseq/geneseqp/AA1986.DAT.\*  
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9: /SIDSL/gcgdata/geneseq/geneseqp/AA1988.DAT.\*  
10: /SIDSL/gcgdata/geneseq/geneseqp/AA1989.DAT.\*  
11: /SIDSL/gcgdata/geneseq/geneseqp/AA1990.DAT.\*  
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14: /SIDSL/gcgdata/geneseq/geneseqp/AA1993.DAT.\*  
15: /SIDSL/gcgdata/geneseq/geneseqp/AA1994.DAT.\*  
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17: /SIDSL/gcgdata/geneseq/geneseqp/AA1996.DAT.\*  
18: /SIDSL/gcgdata/geneseq/geneseqp/AA1997.DAT.\*  
19: /SIDSL/gcgdata/geneseq/geneseqp/AA1998.DAT.\*  
20: /SIDSL/gcgdata/geneseq/geneseqp/AA1999.DAT.\*  
21: /SIDSL/gcgdata/geneseq/geneseqp/AA2000.DAT.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	225	100.0	590	19	Gossypium hirsutum
2	119	52.9	525	19	Theobroma cacao an
3	119	52.9	566	13	Sequence encoded b
4	114	50.7	666	19	Macadamia integrif
5	112	49.8	625	19	Macadamia integrif
6	112	49.8	666	19	Macadamia integrif
7	82	36.4	371	20	Epilope tagged TBP
8	77.5	34.4	2023	21	Amino acid sequenc
9	76.5	34.0	2074	21	Amino acid sequenc
10	75	33.3	910	20	Mouse brain CNG-1
11	73	32.4	86	20	GST-HD fusion prot
12	73	32.4	86	20	GST-HD fusion prot

13	73	32.4	94	20	W95075
14	73	32.4	94	20	W95080
15	72.5	32.2	1299	21	Y58633
16	72	32.0	28	19	W62841
17	70	31.1	108	20	W95071
18	70	31.1	108	20	W95076
19	69	30.7	1162	21	Y58500
20	69	30.7	1326	20	Y55933
21	67.5	30.0	609	19	W83215
22	67	29.8	732	19	W63715
23	67	29.8	1898	20	Y30795
24	66	29.3	637	19	W62837
25	66	29.3	1420	20	W81025
26	66	29.3	1522	20	Y21975
27	65.5	29.1	303	15	R60054
28	65.5	29.1	404	18	W14909
29	65	28.9	360	20	Y33492
30	65	28.9	513	20	W88413
31	65	28.9	548	20	W89189
32	65	28.9	596	20	W89184
33	65	28.9	816	16	R71111
34	65	28.9	816	20	Y33494
35	65	28.9	1138	21	Y83222
36	64.5	28.7	404	13	R27284
37	64	28.4	919	10	P93109
38	64	28.4	919	18	W14783
39	64	28.4	919	21	Y78914
40	63.5	28.2	154	20	Y33504
41	63.5	28.2	918	12	R12223
42	63.5	28.2	918	20	Y33491
43	63.5	28.2	1360	21	Y85263
44	63	28.0	1447	20	W81029
45	62.5	27.8	314	21	Y91560

## ALIGNMENTS

RESULT 1	
ID	W62832 standard; Protein: 590 AA.
AC	W62832:
DT	27-OCT-1998 (first entry)
DE	Gossypium hirsutum antimicrobial protein.
KW	antimicrobial protein; infestation; control.
OS	Gossypium hirsutum.
PN	W09827805-AL.
PD	02-JUL-1998.
PF	22-DEC-1997; 97WO-AU00874.
PR	20-DEC-1996; 96AU-0004275.
PA	(RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
PI	Bower NL, Goulter KC, Green JL, Manners JM, Marcus JP;
DR	WPI: 1998-377279/32.
PT	Novel anti-microbial protein from e.g. Macadamia integrifolia -
PS	useful for controlling microbial infestations of plants or mammals
CC	Claim 1: Page 49-51; 96pp; English.
CC	The sequence is that of an antimicrobial protein which can
CC	be used to control microbial infestations in plants and mammalian

CC animals.  
XX  
SQ Sequence 590 AA;

Query Match 100.0%; Score 225; DB 19; Length 590;  
Best Local Similarity 100.0%; Pred. No. 1,6e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 PEDPQRYEECCOECRQOEERQOPCCOORCLKRFEEQOQ 40  
DB 80 pedpqrtyeeccqecrqeegqrpqqrclkrtegeqgq 119

## RESULT 2

ID W62831 standard; Protein: 525 AA.

AC W62831;

DT 27-OCT-1998 (first entry)

DE Theobroma cacao antimicrobial protein.

KW antimicrobial protein; infestation; control.

OS Theobroma cacao.

PN W09827805-A1.

PD 02-JUL-1998.

PF 22-DEC-1997; 97WO-AU00874.

PR 20-DEC-1996; 96AU-0004275.

PA (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.

PI Bower NI, Goulter KC, Green JL, Manners JM, Marcus JF;

DR WPI: 1998-377279/32.

XX Novel anti-microbial protein from e.g. Macadamia integrifolia -

PT useful for controlling microbial infestations of plants or mammals

PS Claim 1; Page 47-49; 96pp; English.

CC The sequence is that of an antimicrobial protein which can

CC be used to control microbial infestations in plants and mammalian

CC animals.

CC Sequence 525 AA;

Query Match 52.9%; Score 119; DB 19; Length 525;  
Best Local Similarity 45.0%; Pred. No. 6.7e-06;  
Matches 18; Conservative 14; Mismatches 6; Indels 2; Gaps 1;

OY 3 DPQRYEECCOECRQO--EERQOPCCOORCLKRFEEQOQ 40  
DB 37 dprqyeeccqecrqeegqrpqqrclkrtegeqgq 76

## RESULT 3

ID R20181 standard; Protein: 566 AA.

AC R20181;

DT 16-APR-1992 (first entry)

DE Sequence encoded by 67 kD T. cacao protein cDNA.

KW Cocoa; flavour; vicillin; seed storage protein.  
XX  
OS Theobroma cacao.

PN W09119801-A.

PD 26-DEC-1991.

PF 07-JUN-1991; 91WO-GB00914.

PR 11-JUN-1990; 90GB-0013016.

PA (MRSC ) MARS UK LTD.

PI Spencer ME, Hodge R, Deakin EA, Ashton S;

DR WPI: 1992-024418/03.

DR N-PSDB: Q20377.

PT Recombinant cocoa proteins - are responsible for flavour in cocoa  
beans and produced in large quantities using yeast and bacterial  
expression vectors

PS Claim 4; Fig 2; 59pp; English.

CC The inventors claim a 67 kD and 31 kD T. cacao protein, and  
fragments, and encoding DNAs. The 47 kD and 31 kD proteins are

CC derived from the 67 kD precursor. T. cacao protein cDNA was

CC detected in a cDNA library prepared from immature cocoa beans RNA

CC using a probe based on the AA sequence of a CNR peptide common to

CC the 47 kD and 31 kD polypeptides. Homology searches revealed close

CC homologies between the 67 kD polypeptide and the vicillins, which are

CC seed storage proteins.

CC Sequence 566 AA;

OY 3 DPQRYEECCOECRQO--EERQOPCCOORCLKRFEEQOQ 40  
DB 37 dprqyeeccqecrqeegqrpqqrclkrtegeqgq 76

## RESULT 4

ID W62828 standard; Protein: 666 AA.

AC W62828;

DT 27-OCT-1998 (first entry)

DE Macadamia integrifolia antimicrobial protein.

KW antimicrobial protein; infestation; control.

OS Macadamia integrifolia.

PN Key Location/Qualifiers

FT Peptide 1..28

FT Protein /note= "signal peptide"

PN W09827805-A1.

PD 02-JUL-1998.

PF 22-DEC-1997; 97WO-AU00874.

PR 20-DEC-1996; 96AU-0004275.



Query Match	36.4%	Score 82	DB 20	Length 371
Best Local Similarity	41.0%	Pred. No. 0.056		
Matches	16	Conservative	14	Mismatches 9; Indels 0; Gaps 0.
Qy	2	EDPQRRECCQECRQCEERQDPCCQRCRLKRFEEQCO	40	
		1: 11: :: 11: :: 11: 11: 11: :: 11: 11		
Db	85	eeqqrqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq	123	
RESULT	8			
Y54320				
ID	Y54320	standard; Protein; 2023 AA.		
XX				
AC	Y54320;			
XX				
DT	06-APR-2000	(first entry)		
XX				
DE	Amino acid sequence of a human PCTG4 protein.			
XX				
KX	Human: PCTG4 region: X chromosome: q13 region: polymorphism;			
KW	mental retardation; autism; depression; bipolar affective disorder;			
KX	hypothyroidism; OPA gene; neuropsychiatric disorder.			

OS	XX	Homo sapiens.
XX	XX	
PN	XX	W0955915-A2.
XX	XX	
PD	XX	04-NOV-1999.
XX	XX	
PF	XX	29-APR-1999; 99WO-US09365.
XX	XX	
PR	XX	29-APR-1998; 98US-0083465.
XX	XX	
PA	XX	(USSH ) US DEPT HEALTH & HUMAN SERVICES.
XX	XX	(IOWA ) UNIV IOWA RES FOUND.
PI	XX	Philibert RA, Gims EI;
XX	XX	
DR	XX	WPI: 2000-12637/11.
XX	XX	
PT	XX	Identification of polymorphisms in the PCTG4 region of Xq13 for
XX	XX	diagnosing mental retardation or autism -
PS	XX	Example 7; Page 81-84; 100pp; English.
XX	XX	
CC	XX	The present sequence represents a human PCTG4 protein. Polymorphisms
CC	XX	in the human PCTG4 region of chromosome Xq13 are associated with
CC	XX	mental retardation, autism, depression, bipolar affective disorder or
CC	XX	hypothyroidism. One 12 bp insertion polymorphism occurs within the
CC	XX	coding region of the human OPA gene, and introduces a 4 amino acid
CC	XX	insertion in a putative OPA domain. This domain has been shown to be
CC	XX	involved in tissue specific expression. Another polymorphism consists
CC	XX	of a pentanucleotide repeat approximately 7 kb upstream of the 12 bp
CC	XX	polymorphism. Another polymorphisms consists of a dinucleotide repeat
CC	XX	approximately 4.5 kb downstream of the 12 bp polymorphism. The
CC	XX	specification describes a method for screening for polymorphisms in a
CC	XX	PCTG4 nucleic acid sequence obtained from a subject. The PCTG4 related
CC	XX	sequences within the q13 region of the X chromosome have polymorphisms
CC	XX	associated with neuropsychiatric disorders. The methods can be used to
CC	XX	screen for the presence of a heritably linked form of mental retardation,
CC	XX	autism, depression, bipolar affective disorder or hypothyroidism.
CC	XX	
SQ	XX	Sequence 2023 AA;
		Query Match 34.4%; Score 77.5; DB 21; Length 2023;
		Best Local Similarity 34.7%, Pred. NO. 0.87; Mismatches 9; Gaps 1;
		Matches 17; Conservative 14; Indels 9; Gaps 1;
QY		1 PEDPORRYEECCQCECRQOEERQO-----PCCGCRKCFKEEQEQO 40
		: : : :    : : : :    : : : :    : : : :    : : : :
Db		1896 pegqgqgqgqgqgqgqgqgqgqgqghlrrqgqgqgqllrrqgqgqgq 1944
RESULT	9	
ID	Y54319	Y54319 standard; Protein; 2074 AA.
XX	XX	Y54319;
AC	XX	
DT	XX	06-APR-2000 (first entry)
XX	XX	
DE	XX	Amino acid sequence of a murine PCTG4 protein.
XX	XX	
KW	XX	Human: PCTG4 region; X chromosome; q13 region; polymorphism;
XX	XX	mental retardation; autism; depression; bipolar affective disorder;
KW	XX	hypothyroidism; OPA gene; neuropsychiatric disorder.
XX	XX	
OS	XX	Mus sp.
XX	XX	
PN	XX	W0955915-A2.
XX	XX	
PD	XX	04-NOV-1999.
XX	XX	
PF	XX	29-APR-1999; 99WO-US09365.
XX	XX	



XX	01-AUG-1997;	97EP-0113320.
XX	(PLAC ) MAX PLANCK GES FOERDERUNG WISSENSCHAFTEN.	
XX	Bates G, Lehnach H, Scherzinger E, Wanker E;	
XX	WPI, 1999-153955/13.	
XX	Detecting amyloid-like fibrils or protein aggregates insoluble in	
XX	detergent or urea - from their retention on a filter, used for	
XX	diagnosis, particularly of diseases associated with polyglutamine	
XX	expansion	
XX	Disclosure: Fig 8; 56pp: English.	
XX	The invention relates to the detection of amyloid-like fibrils or protein	
XX	aggregates, insoluble in detergents or urea. The method comprises: (a)	
XX	applying material suspected of containing protein aggregates to a filter;	
XX	and (b) detecting retention of protein aggregates on the filter. This	
XX	method also helps to identify inhibitors of protein aggregates formation.	
XX	The method is particularly used to detect protein aggregates that are	
XX	indicative of disease, for assessing onset or progression of the	
XX	diseases. The inhibitors identified are potential therapeutic agents for	
XX	treating the diseases. Other applications include detection of inclusion	
XX	bodies in bacteria and to study kinetics of aggregate formation. Diseases	
XX	associated with polyglutamine expansion are particularly diagnosed, e.g.	
XX	Huntington's, Alzheimer's or Parkinson's diseases; spinal and bulbar	
XX	muscular atrophy; spinocerebellar ataxia; systemic amyloidosis; type II	
XX	diabetes; bovine spongiform encephalopathy; kuru; familial insomnia;	
XX	scrapie. The protein aggregates can now be detected simply, routinely and	
XX	rapidly, without requiring sophisticated equipment. The method can be	
XX	made quantitative, by analysing a series of dilutions, and can be	
XX	automated to allow many samples to be analysed on the same filter.	
XX	Sequences W95072-75 represent GST-HD fusion proteins.	
XX	Sequence 86 AA:	
XX	Sequence 86 AA:	
XX	Query Match 32.4%, Score 73; DB 20; Length 86;	
XX	Best Local Similarity 35.9%; Pred. No. 0.14;	
XX	Matches 14; Conservative 15; Mismatches 10; Indels 0; Gaps 0;	
XX	2 EDPORRYEECCOECROEERQPPCCQGRCKRFEDQQ 40	
XX	: 1:: :: 11:: :11:::11 11:: :: :1::1111	
XX	Db 25 qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq 63	
XX	RESULT 12	
XX	W95078	
XX	W95078 standard; Protein; 86 AA.	
XX	W95078;	
XX	20-MAY-1999 (first entry)	
XX	GST-HD fusion protein GST-HD5IDELP.	
XX	Fusion protein; amyloidogenic polypeptide; amyloid-like fibril; scrapie;	
XX	protein aggregate; Alzheimer's disease; CAG-repeat expansion; spinal;	
XX	Huntington's disease; bulbar muscular atrophy; spinocerebellar ataxia;	
XX	dentatorubral pallidoluysian atrophy; Creutzfeldt-Jakob disease; enzyme;	
XX	GST-HD; HD.	
XX	Synthetic.	
XX	Homo sapiens.	
XX	Key Location/Qualifiers	
XX	Misc-difference 1	
XX	/note= "this residue is connected to a GST protein	
XX	which is not indicated in the sequence"	
XX	W09906545-A2.	

[illegible]

PN		WO9906838-A2.
XX		
PD	11-FEB-1999.	
XX		
PF	31-JUL-1998;	98WO-EP04810.
XX		
PR	01-AUG-1997;	97EP-0113320.
XX		
PA	(PLAC ) MAX PLANCK GES FOERDERUNG WISSENSCHAFTEN.	
XX		
PI	Bates G, Lehrach H, Scherzinger E, Wanker E;	
XX		
DR	WPI; 1999-153955/L3.	
XX		
PT	Detecting amyloid-like fibrils or protein aggregates insoluble in	
PP	detergent or urea - from their retention on a filter, used for	
PT	diagnosis, particularly of diseases associated with polyglutamine	
XX	expansion	
PS		
XX	Disclosure; Fig 8; 56pp; English.	
XX		
CC	The invention relates to the detection of amyloid-like fibrils or protein	
CC	aggregates, insoluble in detergents or urea. The method comprises: (a)	
CC	applying material suspected of containing protein aggregates to a filter;	
CC	and (b) detecting retention of protein aggregates on the filter. This	
CC	method also helps to identify inhibitors of protein aggregates formation.	
CC	The method is particularly useful to detect protein aggregates that are	
CC	indicative of disease, for assessing onset or progression of the	
CC	diseases. The inhibitors identified are potential therapeutic agents for	
CC	treating the diseases. Other applications include detection of inclusion	
CC	bodies in bacteria and to study kinetics of aggregate formation. Diseases	
CC	associated with polyglutamine expansion are particularly diagnosed, e.g.	
CC	Huntington's, Alzheimer's or Parkinson's diseases; spinal and bulbar	
CC	muscular atrophy; spinocerebellar ataxia; systemic amyloidosis; type II	
CC	diabetes; bovine spongiform encephalopathy; kuru; familial insomnia;	
CC	scrapie. The protein aggregates can now be detected simply, routinely and	
CC	rapidly, without requiring sophisticated equipment. The method can be	
CC	made quantitative, by analysing a series of dilutions, and can be	
CC	automated to allow many samples to be analysed on the same filter.	
CC	Sequences W95072-75 represent GST-HD fusion proteins.	
XX		
SQ	Sequence 94 AA:	
	Query Match 32.4%; Score 73; DB 20; Length 94;	
	Best Local Similarity 35.9%; Pred. No. 0.15;	
	Matches 14; Conservative 15; Mismatches 10; Indels 0; Gaps 0	
OY	2 EDQRRIYECCQDECRQOEERQPCQCQCLKRFEEQQQ 40	
	:  :: ::    : ::         : :  : ::	
Db	25 qqqqggqqggqqggqqggqqggqqggqqggqqgg 63	
	RESULT 14	
ID	W95080	
XX	W95080 standard; Protein; 94 AA.	
AC		
XX	W95080:	
DT		
XX	20-MAY-1999 (first entry)	
DE	GST-HD fusion protein GST-HD5IDELPB10.	
XX		
KW	Fusion protein; amyloidogenic polypeptide; amyloid-like fibril; scrapie;	
KW	protein aggregate; Alzheimer's disease; CAG-repeat expansion; spinal;	
KW	Huntington's disease; bulbar muscular atrophy; spinocerebellar ataxia;	
KW	dentatorubral pallidoluysian atrophy; Creutzfeldt-Jakob disease; enzyme;	
XX	GST-HD; HD.	
XX		
OS	Synthetic.	
OS	Homo sapiens.	
XX		
Key	Location/Qualifiers	

FT	Misc-difference 1	/note= "this residue is connected to a GST protein
FT		which is not indicated in the sequence"
PN	W09906545-A2.	
PD	11-FEB-1999.	
XX		
XX	31-JUL-1998;	98WO-EP04811.
XX	01-AUG-1997;	97EP-0113306.
XX	(PLAC ) MAX PLANCK GES FOERDERUNG WISSENSCHAFTEN.	
PA	Bates G, Lehrach H, Scherzinger E, Manker E;	
XX		
DR	WPI; 1999-153775/13.	
XX		
PT	Composition containing fusion protein that includes amyloidogenic	
PT	peptide - able to self-assemble into fibrils or aggregates, used to	
PT	detect and monitor neuronal diseases, and also to screen for	
PT	therapeutic inhibitors	
XX		
PS	Disclosure: Fig 8; 62pp; English.	
XX		
CC	The invention relates to a composition comprising a fusion protein of (1)	
CC	(poly)peptide that increases solubility and/or prevents aggregation of	
CC	fusion protein, and (ii) amyloidogenic (poly)peptide that can self-	
CC	assemble into amyloid-like fibrils or protein aggregates. Host cells	
CC	transformed with a vector containing the nucleic acid encoding the fusion	
CC	protein are used for the recombinant expression of the fusion protein.	
CC	The composition is used to detect onset and progression of diseases	
CC	associated with fibrils/protein aggregates. It is potentially useful for	
CC	treatment of such diseases (e.g. Alzheimer's disease, scrapie or CAG-	
CC	repeat expansion conditions such as Huntington's disease (HD), spinal and	
CC	bulbar muscular atrophy, dentatorubral pallidoluysian atrophy,	
CC	spinocerebellar ataxia, Creutzfeldt-Jakob disease). Assay methods based on	
CC	release of the amyloidogenic polypeptide from fusion protein have a	
CC	precise starting time for aggregate formation, allowing kinetic	
CC	measurements, and use of an enzyme for cleavage allows testing under	
CC	physiological conditions. Sequences W95077-80 represent GST-HD fusion	
CC	proteins.	
SQ	Sequence 94 AA:	
XX		
XX		
OY	Query Match	32.4%; Score 73; DB 20; Length 94;
	Best Local Similarity	35.9%; Pred. No. 0.15;
Db	Matches 14; Conservative 15; Mismatches 10; Indels 0; Gaps 0	
	: 2 EDPORRYECCOECHROEQEROOPCCOCORLKRFEDEQQO 40	
	: : : : :   : : : :   : : : :   : : : :   : : : :	
	25 qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq 63	
RESULT 15		
ID	y58633 standard; Protein; 1299 AA.	
XX	y58633.	
XX	y58633.	
DT	11-APR-2000 (first entry)	
XX		
DE	Protein regulating gene expression PRGE-26.	
XX		
KW	Protein regulating gene expression; PRGE-26; human;	
KW	cell proliferation; antiproliferative; inflammation;	
XX	antiinflammatory; therapy; diagnosis.	
OS	Homo sapiens.	
XX		
Key	Location/Qualifiers	
Modified-site	85	
TH		
T		

FT Modified-site /note= "O-phosphorylated"  
 FT 139 /note= "O-phosphorylated"  
 FT Modified-site /note= "O-phosphorylated"  
 FT 160 /note= "O-phosphorylated"  
 FT Modified-site /note= "O-phosphorylated"  
 FT 199 /note= "O-phosphorylated"  
 FT Modified-site /note= "O-phosphorylated"  
 FT 225 /note= "O-phosphorylated"  
 FT Modified-site /note= "O-phosphorylated"  
 FT 277 /note= "O-phosphorylated"  
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 FT W09964596-A2.  
 PN 16-DEC-1999.  
 XX 11-JUN-1999; 99WO-US13281.  
 PF 12-JUN-1998; 98US-0089029.  
 PR 29-JUL-1998; 98US-0094575.  
 PR 14-OCT-1998; 98US-0104624.  
 XX (INCY-) INCYTE PHARM INC.  
 PA Lal P, Yue H, Tang YT, Hillman JL, Bandman O, Corley NC;  
 PI Guejler KJ, Gorgone GA, Baughn MR, Patterson C, Lu DM;  
 XX WPI: 2000-116543/10.  
 DR N-PSDB: Z57864.  
 XX  
 PS New human polypeptides that regulate gene expression, for treatment,  
 prevention and diagnosis of, e.g. cancer -  
 Claim 1; Page 110-113; 150pp: English.  
 XX  
 CC The present sequence is that of new human protein regulating gene  
 CC expression PRGE-26, deduced from incyte clone PITUNO701 (see 257864)  
 CC isolated from pituitary gland cDNA library. PRGE-26 is expressed in  
 CC reproductive, nervous and gastrointestinal tissues associated with  
 CC cell proliferative and inflammation diseases, disorders or conditions.  
 CC It is characterised as a glutamine-rich protein. The invention  
 CC provides PRGE polypeptides (see Y58608-38) and polynucleotides (see  
 CC Z57839-69), expression vectors, host cells, antibodies, agonists and  
 CC antagonists. It also provides methods for diagnosing, treating or  
 CC preventing disorders associated with expression of PRGE.  
 CC  
 XX Sequence 1299 AA;

Query Match 32.2%; Score 72.5; DB 21; Length 1299;  
 Best Local Similarity 41.0%; Pred. No. 2;  
 Matches 16; Conservative 11; Mismatches 11; Indels 1; Gaps 1;



Fri Mar 2 09:30:50 2001

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